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PATENT No. US 7,234,948 B2

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

PATENTEE(S) : Duk-Yong Kim et al.  
PATENT NO. : US 7,234,948 B2  
ISSUED : June 26, 2007  
FOR : DIRECTIONAL COUPLER INTEGRATED WITH CONNECTORS

Certificate of Mailing Under 37 CFR 1.8

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Steve Cha, Reg. No. 44,069  
(Name of Registered Rep.)

  
(Signature and Date)

REQUEST FOR CERTIFICATE OF CORRECTION  
UNDER 37 CFR 1.323

Attention Certificate of Corrections Branch  
Commissioner For Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**Certificate**  
**JUL 09 2007**  
**of Correction**

Dear Sir:

In accordance with the provisions of 37 CFR 1.323, the Patent and Trademark Office is respectfully requested to issue a Certificate of Correction in the above-identified Patent to correct an error in the Assignee's address on the face of the Patent (Item 73). The Assignee's address should read

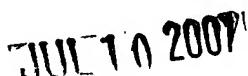
-- Gyeonggi-do--

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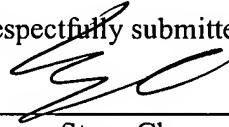
as shown on the Assignment, copy enclosed.

  
JUL 10 2007

Please issue a Certificate of Correction and to place such Certificate in the file, so that such will appear on any copies of the Patent which are ordered in the future. Enclosed is a check in the amount of \$100.00 covering the fee for such correction.

Two (2) copies of Form PTO/SB/44 embodying the requested correction accompany this letter. Return of one copy of the Form duly certified is requested.

Respectfully submitted,

  
By: Steve Cha  
Attorney for Applicant  
Registration No. 44,069

Date: July 3, 2007

Enclosure: Copy of Assignment  
Form PTO/SB/44

**Mail all correspondence to:**  
Steve S. Cha, Reg. No. 44,069  
CHA & REITER, LLC  
210 Route 4 East, Suite #103  
Paramus, NJ 07652  
Telephone: 201-226-9245  
Fax: 201-226-9246

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UNITED STATES PATENT AND TRADEMARK OFFICE  
CERTIFICATE OF CORRECTIONPage 1 of 1

PATENT NO. : 7,234,948 B2

APPLICATION NO.: 10/734,789

ISSUE DATE : June 26, 2007

INVENTOR(S) : Duk-Yong Kim et al.

It is certified that an error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

## Title Page

Item [73], Assignee's address, should read as follows:

--Gyeonggi-do.--

## MAILING ADDRESS OF SENDER (Please do not use customer number below):

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210 Route 4 East, Suite 103  
Paramus, NJ 07652

This collection of information is required by 37 CFR 1.322, 1.323, and 1.324. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1.0 hour to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Attention Certificate of Corrections Branch, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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CERTIFICATE OF CORRECTIONPage 1 of 1

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US007234948B2

(12) **United States Patent**  
Kim et al.

(10) **Patent No.:** US 7,234,948 B2  
(45) **Date of Patent:** Jun. 26, 2007

(54) **DIRECTIONAL COUPLER INTEGRATED WITH CONNECTORS**

(75) Inventors: **Duk-Yong Kim, Hwaseong-si (KR); Jong-Kyu Park, Osan-si (KR); Su-Hee Lee, Yongin-si (KR); Sun-Woong Park, Yongin-si (KR)**

(73) Assignee: **KMW Inc, Hwaseong-si [Gyeonggi-do]**

(\*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 0 days.

(21) Appl. No.: **10/734,789**

(22) Filed: **Dec. 12, 2003**

(65) **Prior Publication Data**

US 2004/0127103 A1 Jul. 1, 2004

(30) **Foreign Application Priority Data**

Dec. 14, 2002 (KR) 10-2002-0080030

(51) **Int. Cl.**

**H01R 13/73 (2006.01)**

(52) **U.S. Cl.** **439/76.1**

(58) **Field of Classification Search** **439/76.1, 439/579; 174/541, 59; 333/109, 15, 111, 333/115**

See application file for complete search history.

(56)

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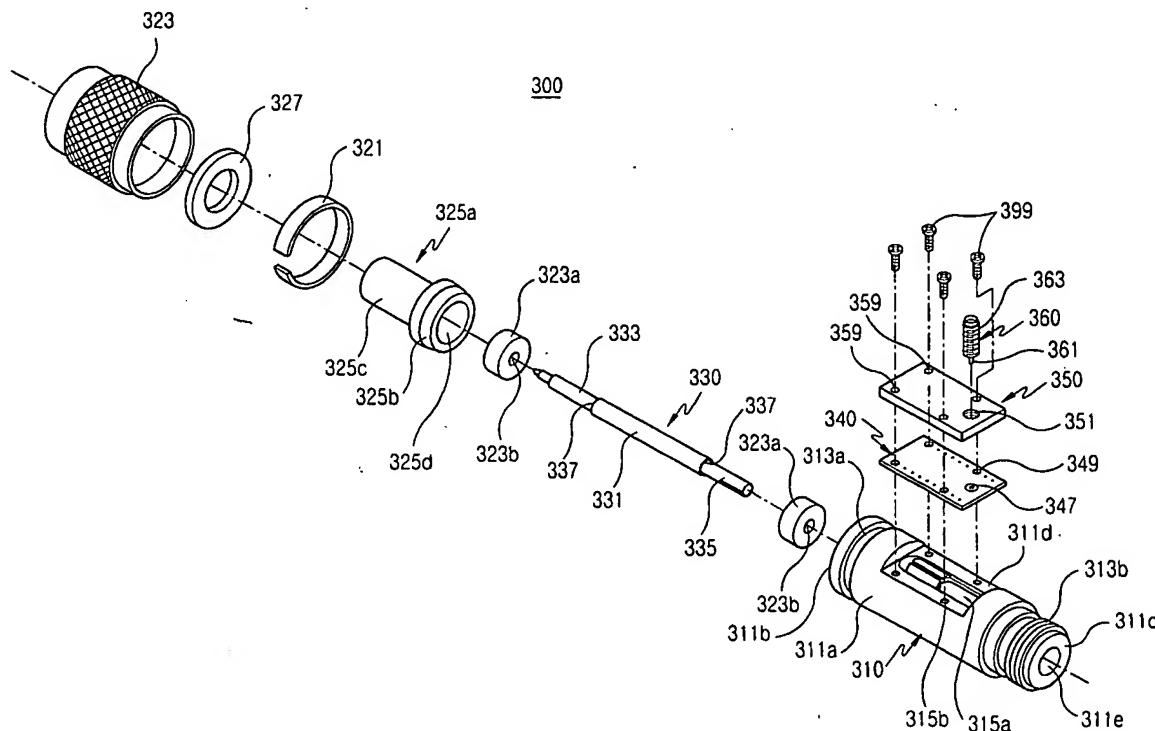
*Primary Examiner*—Alexander Gilman

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(57) **ABSTRACT**

A connectors-integrated directional coupler is provided. The directional coupler includes a housing having a body, an input connector integrally extended from one end of the body, and an output connector integrally extended from the other end of the body. A main line connects the input connector to the output connector for delivering a signal. A coupling line induces the signal from the main line.

**15 Claims, 6 Drawing Sheets**



**Assignment of Invention and Patent Application****COPY**

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN, be it known that for and in consideration of TEN (\$10.00) DOLLAR,

- 1) Duk-Yong KIM of  
65, Yeongcheon-ri, Dongtan-myeon, Hwaseong-si, Gyeonggi-do, Republic of Korea
- 2) Jong-Kyu PARK of  
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- 3) Su-Hee LEE of  
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- 4) Sun-Woong PARK of  
163-9, Unnam-ri, Guseong-myeon, Yongin-si, Gyeonggi-do, Republic of Korea

(hereinafter **Assignor**) hereby sells, assigns, transfers, and sets over unto:

**KMW Inc.** of  
65, Yeongcheon-ri, Dongtan-myeon, Hwaseong-si, Gyeonggi-do, Republic of Korea

(hereinafter **Assignee**) the entire right, title and interest for the United States Of America as defined in 35 U.S.C. § 1.00, in and to the invention entitled as:

**DIRECTIONAL COUPLER INTEGRATED WITH CONNECTORS**

invented by **Assignor**; the application for United States patent therefor, invented by **Assignor**; any patent or reissues of any patent that may be granted thereon; and any applications which are continuations, continuation-in-part, substitutes, or divisions of said application. **Assignor** authorizes **Assignee** to enter the date of signature and/or Serial Number and Filing Date in the above. **Assignor** also authorizes and requests the Commissioner of Patents and Trademarks to issue any resulting patent(s) to the said **Assignee**, for its interests as **Assignee**, its successors, assigns and legal representatives. The undersigned agrees that the attorney of record in said application shall hereafter act on behalf of said **Assignee**; and **Assignor** further conveys to **Assignee** all priority rights resulting from the above-identified application for United States Patent. **Assignor** agrees to execute all papers, give any required testimony and perform other lawful acts, as deemed essential by **Assignee** to perfect **Assignee**'s interest in any resulting patent of the United States, and to acquire, hold, enforce, convey, and uphold the validity of said patent and reissues and extensions thereof, and **Assignee**'s interest therein.



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Date:

12-04-2004

Signature:

